

# Training 04 Aug 2025 National

Binary Numbers, #1440  
Memo. time: 5 min

Key: 04145a41  
Recall time: 15 min

|                                                             |       |
|-------------------------------------------------------------|-------|
| 1 0 0 1 0 0 0 0 1 1 0 1 0 0 1 0 0 1 1 0 1 0 0 0 0 1 0 0 0 0 | R. 1  |
| 0 0 0 0 1 1 1 1 0 1 0 0 0 0 1 0 0 1 0 0 0 1 1 0 0 0 0 0 0 1 | R. 2  |
| 0 0 1 0 1 1 0 1 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 | R. 3  |
| 0 0 1 0 1 1 1 0 1 0 0 1 0 1 0 1 1 0 0 1 1 0 0 0 0 1 1 1 1 1 | R. 4  |
| 0 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 0 1 0 0 0 1 1 0 0 1 0 0 1 | R. 5  |
| 1 0 1 1 0 0 1 1 1 1 1 1 1 0 1 1 1 0 1 0 0 0 1 1 0 0 0 0 1 0 | R. 6  |
| 1 0 1 1 0 0 1 0 0 0 1 1 1 1 1 1 1 0 1 1 0 1 0 1 1 1 0 0 1 1 | R. 7  |
| 0 0 0 1 0 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 1 1 1 1 1 1 1 0 0 0 | R. 8  |
| 0 1 1 0 0 1 1 1 0 0 0 1 0 1 1 0 1 1 1 1 1 1 1 0 1 0 0 1 0 1 | R. 9  |
| 0 1 0 0 0 1 0 0 1 0 1 1 0 1 1 0 0 0 1 0 0 0 1 0 1 1 0 1 1 0 | R. 10 |
| 0 0 0 0 0 0 0 0 0 1 0 1 0 1 1 1 1 0 0 0 1 0 0 0 1 0 1 1 0 1 | R. 11 |
| 0 0 1 1 0 1 0 0 1 0 1 1 1 1 1 1 0 1 1 0 1 0 0 1 1 0 0 1 0 1 | R. 12 |
| 1 1 1 1 0 1 1 0 0 1 1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 0 0 0 0 0 | R. 13 |
| 0 1 1 0 1 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 1 1 0 1 1 1 0 0 1 | R. 14 |
| 0 0 0 1 1 0 0 0 0 1 1 0 1 1 1 1 1 1 0 0 0 0 1 1 0 1 0 0 1 1 | R. 15 |
| 0 0 0 0 1 1 0 1 0 0 0 0 0 0 0 0 1 0 1 0 0 1 1 1 1 0 0 1 0 0 | R. 16 |
| 0 0 0 1 1 1 1 0 1 1 0 1 0 0 1 0 0 0 1 0 0 0 1 1 1 0 1 0 0 1 | R. 17 |
| 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 1 0 1 1 1 1 1 1 1 0 0 0 1 0 1 | R. 18 |
| 0 0 0 0 0 0 0 0 0 1 1 0 0 1 1 0 0 1 0 1 1 1 0 0 1 1 0 1 0 1 | R. 19 |
| 0 0 0 1 1 0 1 1 1 1 1 1 0 0 1 1 0 1 0 1 0 0 0 0 0 0 1 1 1   | R. 20 |
| 1 1 0 0 1 0 1 1 0 1 1 0 1 1 0 0 0 0 1 0 0 1 0 1 0 0 0 1 1 1 | R. 21 |
| 1 0 0 1 0 1 0 1 1 1 1 1 1 1 1 0 0 0 1 0 1 0 1 0 0 1 1 1 0   | R. 22 |
| 0 0 0 1 0 0 1 1 1 1 0 1 0 1 1 1 0 1 1 0 0 0 1 1 0 1 0 1 1 1 | R. 23 |
| 0 0 1 0 1 0 1 0 1 1 0 0 1 1 0 1 1 0 1 1 1 0 1 0 0 1 1 0 1 1 | R. 24 |
| 1 1 0 1 0 0 0 0 1 1 1 1 0 1 1 0 0 0 1 1 1 0 1 0 1 1 0 0 0 1 | R. 25 |

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|                                                               |       |
|---------------------------------------------------------------|-------|
| 1 0 0 0 0 1 1 1 1 1 0 1 1 1 0 0 0 1 0 0 1 0 1 0 1 0 0 1       | R. 26 |
| 0 1 0 0 0 1 1 1 0 0 1 1 0 1 1 1 0 0 0 0 1 0 1 1 1 0 0 0 1 1   | R. 27 |
| 1 1 0 0 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 1 1     | R. 28 |
| 1 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 1 0 0 1 0 1 1 0 1 0 0 0 1 1   | R. 29 |
| 1 1 0 0 1 1 0 1 0 0 0 1 1 0 0 1 1 0 1 1 1 0 1 0 0 0 0 1 1 0   | R. 30 |
| 1 1 1 0 1 1 1 0 1 0 0 1 0 0 1 1 1 0 0 1 0 1 1 0 0 0 0 1 0 0   | R. 31 |
| 0 0 1 1 1 0 0 0 0 1 0 0 1 1 0 1 0 1 1 0 0 1 0 1 1 1 1 0 0 0   | R. 32 |
| 0 0 0 0 1 1 1 1 1 0 1 1 1 0 0 0 0 1 1 0 1 1 0 1 0 0 1 0 1 1   | R. 33 |
| 1 1 0 0 1 1 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0 1 0 1 1 0 1 0 1   | R. 34 |
| 1 1 1 1 1 1 0 0 0 0 1 1 0 0 1 1 1 1 0 1 1 0 1 0 1 1 1 1 1 1   | R. 35 |
| 0 0 0 1 1 0 0 1 1 1 1 0 0 1 0 0 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 | R. 36 |
| 0 0 1 1 0 1 1 0 0 1 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 0 1 1   | R. 37 |
| 0 1 1 1 1 1 0 0 0 1 0 1 0 1 1 0 1 0 0 0 1 0 1 1 0 1 1 1 1 1   | R. 38 |
| 0 1 1 1 0 0 0 0 0 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 0 0 0   | R. 39 |
| 1 0 1 0 1 0 0 1 1 1 0 1 0 1 0 0 1 0 0 0 1 1 1 0 0 1 0 0 0 0   | R. 40 |
| 0 0 1 1 0 1 0 1 1 1 1 0 0 0 1 1 0 0 1 1 1 1 0 1 1 1 0 1 0 0   | R. 41 |
| 0 1 1 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0 0 1 0 1 1 1 1 1 1 1 0 0   | R. 42 |
| 1 1 0 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 1 1 1 1 0 1 0 1 0 0 1 0   | R. 43 |
| 0 0 1 0 1 0 0 0 1 0 1 1 1 0 0 1 1 1 1 1 0 0 1 0 0 0 1 1 1 1   | R. 44 |
| 0 0 1 0 0 0 0 1 1 1 1 1 0 0 1 0 1 1 0 1 1 1 1 0 1 0 0 0 0 1   | R. 45 |
| 1 1 1 1 0 1 1 1 0 0 1 1 1 0 0 0 0 1 1 1 1 1 1 0 1 1 1 1 0 1   | R. 46 |
| 0 1 1 1 1 1 1 1 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 0 0     | R. 47 |
| 1 1 0 1 1 0 1 0 1 0 1 0 0 1 1 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0   | R. 48 |